

Human MMP7 (proenzyme), His Tag, E. coli

Catalog Number	LDG055PHE
Package	5 µg / 20 µg / 100 µg / Customized package

For full product information, images and publications, please visit [our website](#).



Specifications

Species of Origin

Human

Affinity Tag

His Tag (C-term)

Purity

>95% as determined by SDS-PAGE analysis.

Endotoxin level

<0.1 EU per 1 µg of the protein by the LAL method.

Expression system

Escherichia coli

Buffer

Lyophilized from a 0.2 µm filtered solution of PBS, pH 8.0.

Molecular weight

The protein has a calculated MW of 30.47 kDa. The protein migrates as 26 kDa under reducing condition (SDS-PAGE analysis).

Form

Lyophilized

Background

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Background

Matrix metalloproteinase-7 proenzyme (proMMP-7) is a 30.47 kDa matrix metalloproteinases with 273 amino acid residues. MMP-7 restricted production by normal mucosal and exocrine gland epithelial cells, as well as by carcinoma cells. Functionally, it involved breakdown of extracellular matrix (casein, gelatins of types I, III, IV, and V, and fibronectin) in normal physiological processes and disease processes. MMP-7 is contributed to early tumor development during carcinogenesis. proMMP7 activation by trypsin occurs via an intermediate cleaved at Lys50-Asn51.

Uniprot ID

#P09237

Synonyms

Matrin, Matrix metalloproteinase-7, MMP-7, Pump-1 protease, Uterine metalloproteinase, Matrilysin

Sequence Note

Met1-Lys276

Instruction

Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration of 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

Stability & Storage

This product is stable after storage at:

- -20°C for 12 months in lyophilized state from date of receipt.
- -20°C or -80°C for 1 month under sterile conditions after reconstitution.

Avoid repeated freeze/thaw cycles.

Shipping

The product is shipped with polar packs. Upon receipt, store it immediately at -20°C or lower for long term storage.

Image

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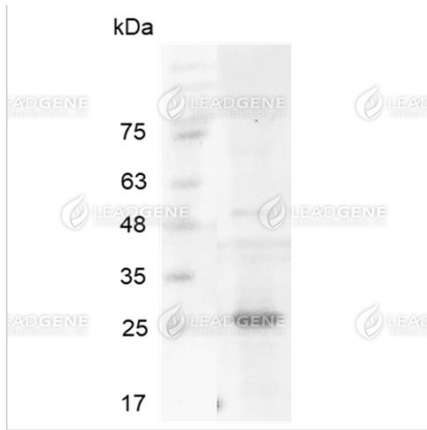
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SDS-PAGE analysis of recombinant human MMP7 (proenzyme).

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